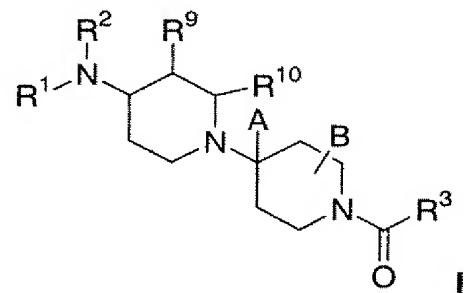


Presently Pending Claims

Language to be added has been **bolded and underlined>**, while language to be deleted has been **bolded and strikenthrough**.

1-20. (Canceled)

21. (Currently amended) A compound represented by the structural formula I



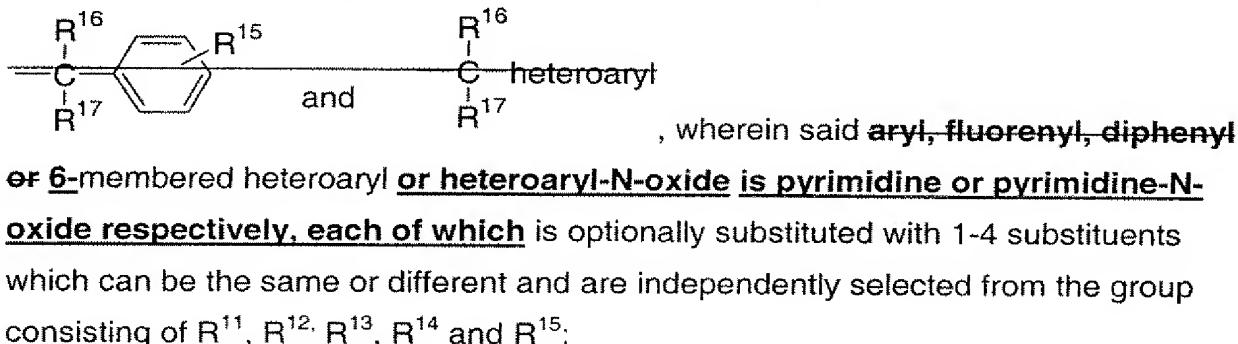
or a pharmaceutically acceptable salt or solvate thereof; wherein:

R¹ is

~~§—M—R⁴~~ ;

R² is selected from the group consisting of ~~H, alkyl, aryl, arylalkyl, heteroarylalkyl, alkylketone, arylketone, alkyl, haloalkyl, cycloalkyl, cycloheteroalkyl, cycloalkylalkyl, alkylsulfonyl, arylsulfonyl, alkoxyalkyl, or amide~~;

R³ is selected from the group consisting of ~~aryl, 6-membered heteroaryl, fluorenyl, and diphenylmethyl~~, 6-membered heteroaryl-N-oxide,



R⁴ is 1-3 substituents selected from the group consisting of H, halo, alkyl, haloalkyl, alkoxy, cycloalkyl, amide, CF₃, OCF₃, aryl, heteroaryl, -XR⁷, -CN, -CO₂H, -CO₂R²², R⁸-aryl(C₁-C₆)alkyl-, R⁸-heteroaryl(C₁-C₆)alkyl-, -C(O)NR²¹R²², -C(O)NH₂, wherein R⁴ can be the same or different and is independently selected when there is more than one R⁴ present;

~~R⁵ is selected from the group consisting of H, arylalkyl, (C₁-C₆)alkyl, R⁸-aryl(C₁-C₆)alkyl, R⁸-heteroaryl(C₁-C₆)alkyl, SO₂(C₁-C₆)alkyl, SO₂(C₃-C₆)cycloalkyl, SO₂-aryl, R⁸-aryl-SO₂-, C(O)-(C₁-C₆)alkyl, C(O)-(C₄-C₆)cycloalkyl, R⁸-aryl-C(O)-, -C(O)NR²¹R²², and -SO₂NR²¹R²²;~~

~~R⁶ is H, (C₁-C₆)alkyl, or -(C₁-C₆)haloalkyl;~~

R⁷ is selected from the group consisting of aryl, substituted aryl, heteroaryl, alkyl, haloalkyl and cycloalkyl;

R⁸ is 1, 2 or 3 substituents selected from the group consisting of H, halo, (C₁-C₆)alkyl, (C₁-C₆)alkoxy, -CF₃, -OCF₃, CH₃C(O)-, -CN, CH₃SO₂-,

CF₃SO₂- and -NH₂, wherein R⁸ can be the same or different and is independently selected when there are more than one R⁸ present;

R⁹, R¹⁰ and B can be the same or different and are each independently selected from the group consisting of hydrogen, (C₁-C₆)alkyl, and -(C₁-C₆)haloalkyl;

R¹¹ and R¹² can be the same or different and are each independently selected from the group consisting of (C₁-C₆)alkyl, -(C₁-C₆)haloalkyl, halogen, -NR¹⁹R²⁰, -OH, CF₃, -OCH₃, -O-acyl, and -OCF₃;

R¹³ is selected from the group consisting of hydrogen, R¹¹, H, phenyl, -NO₂, -CN, -CH₂F, -CHF₂, -CHO, -CH=NOR¹⁹R₁₉, pyridyl-N-oxide, pyrimidinyl, pyrazinyl, N(R²⁰R₂₀)CONR²⁰R²¹R₂₀R₂₁, -NHCONH(chloro-(C₁-C₆)alkyl), -NHCONH((C₃-C₁₀)-cycloalkyl(C₁-C₆)alkyl), -NHCO(C₁-C₆)alkyl, -NHCOCF₃, -NHCOCF₃, -NHSO₂N((C₁-C₆)alkyl)₂, -NHSO₂(C₁-C₆)alkyl, -N(SO₂CF₃)₂, -NHCO₂(C₁-C₆)alkyl, (C₃-C₁₀)cycloalkyl, -SR²², -SOR²², -SO₂R²², -SO₂NH(C₁-C₆)alkyl, -OSO₂(C₁-C₆)alkyl, -OSO₂CF₃, hydroxy(C₁-C₆)alkyl, -CONR¹⁹R²⁰, -CON(CH₂CH₂-O-CH₃)₂, -OCONH(C₁-C₆)alkyl, -CO₂R¹⁹R₁₉, -Si(CH₃)₃ and -B(OC(CH₃)₂)₂;

R¹⁴ is selected from the group consisting of (C₁-C₆)alkyl, -(C₁-C₆)haloalkyl -NH₂ and R¹⁵-phenyl;

R¹⁵ is 1-3 substituents selected from the group consisting of hydrogen, (C₁-C₆)alkyl, -(C₁-C₆)haloalkyl, -CF₃, -CO₂R²⁰, -CN, (C₁-C₆)alkoxy and halogen; wherein

R^{15} can be the same or different and is independently selected when there are more than one R^{15} present;

~~R^{16} and R^{17} can each be the same or different and are each independently selected from the group consisting of hydrogen and (C_1 - C_6)alkyl, or~~

~~R^{16} and R^{17} together are a C_2 - C_6 alkylene group and with the carbon to which they are attached from a spiro ring of 3 to 6 carbon atoms;~~

R^{19} , R^{20} and R^{21} can each be the same or different and are each independently selected from the group consisting of H, (C_1 - C_6)alkyl and (C_3 - C_6)cycloalkyl;

R^{22} is selected from the group consisting of (C_1 - C_6)alkyl, -(C_1 - C_6)haloalkyl, (C_2 - C_6)hydroxyalkyl, (C_2 - C_6)alkylene, (C_3 - C_6)cycloalkyl, aryl and aryl(C_1 - C_6)alkyl-;

A is selected from the group consisting of H, (C_1 - C_6)alkyl, and (C_2 - C_6) alkenyl.

M is aryl or heteroaryl optionally substituted with R^4 ;

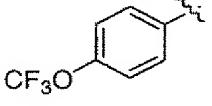
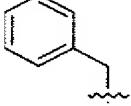
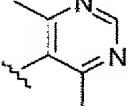
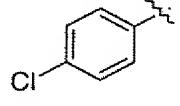
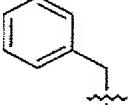
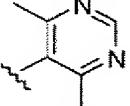
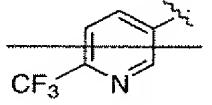
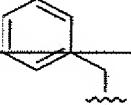
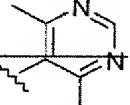
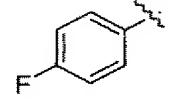
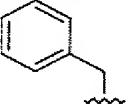
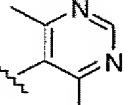
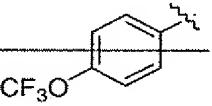
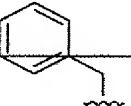
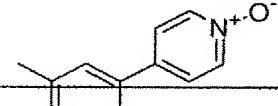
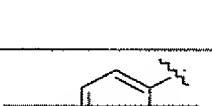
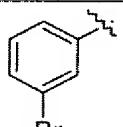
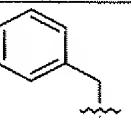
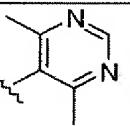
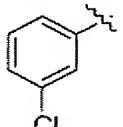
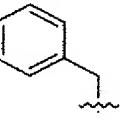
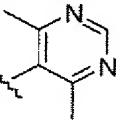
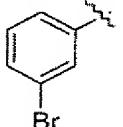
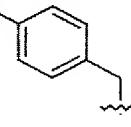
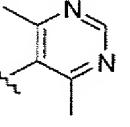
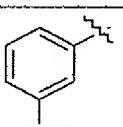
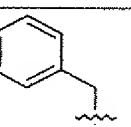
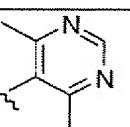
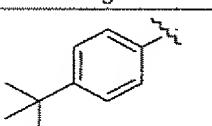
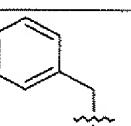
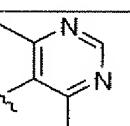
~~Q is CH or N; and~~

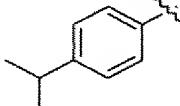
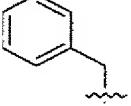
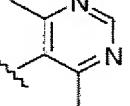
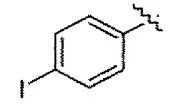
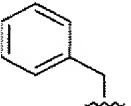
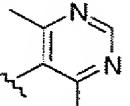
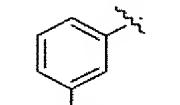
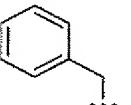
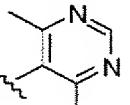
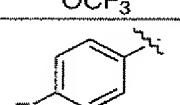
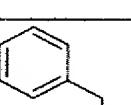
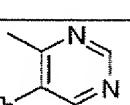
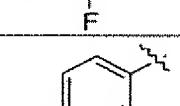
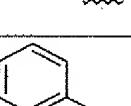
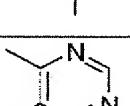
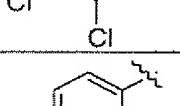
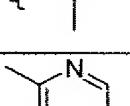
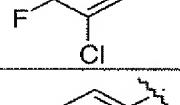
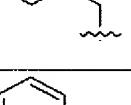
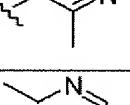
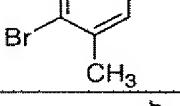
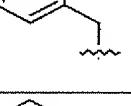
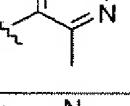
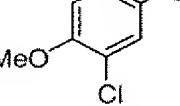
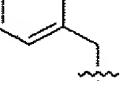
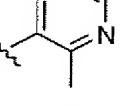
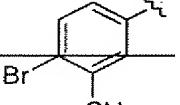
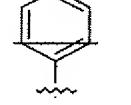
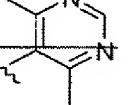
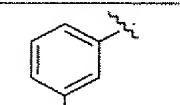
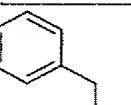
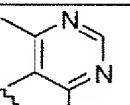
X is selected from the group consisting of CH_2 , SO_2 , SO, S, and O, with the following proviso:

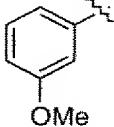
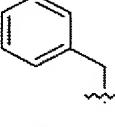
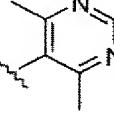
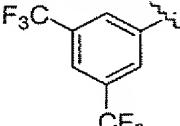
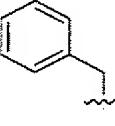
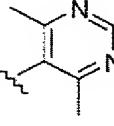
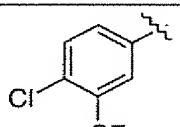
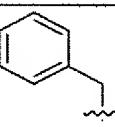
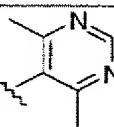
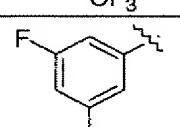
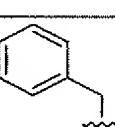
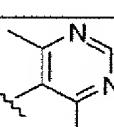
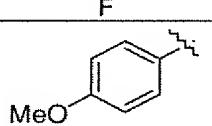
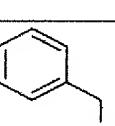
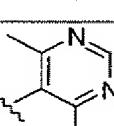
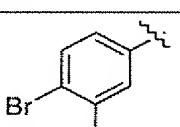
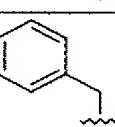
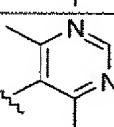
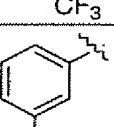
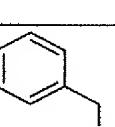
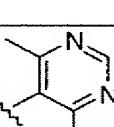
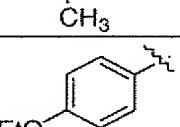
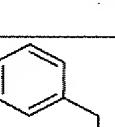
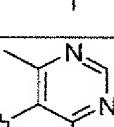
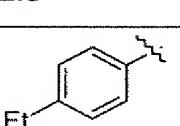
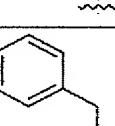
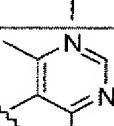
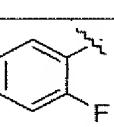
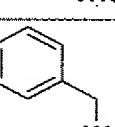
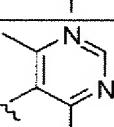
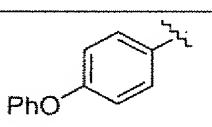
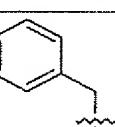
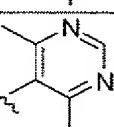
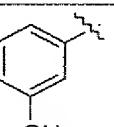
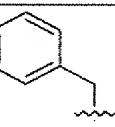
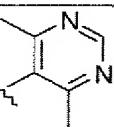
when R^1 is phenyl, ~~pyridyl, thiophenyl~~ or naphthyl, R^2 cannot be H, -(C_1 - C_6)alkyl or -C(O)-(C₁-C₆)alkyl.

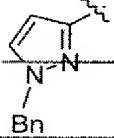
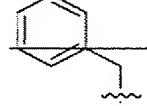
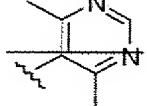
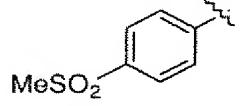
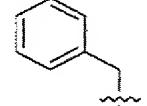
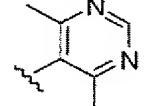
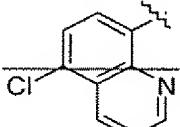
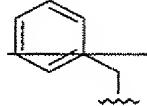
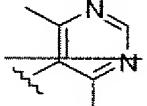
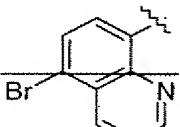
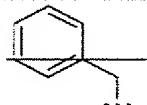
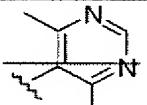
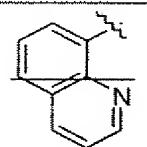
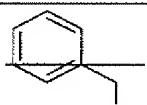
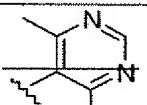
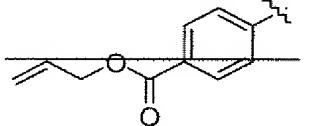
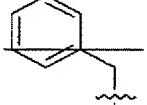
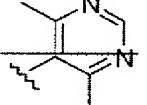
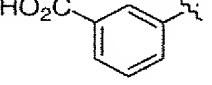
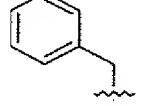
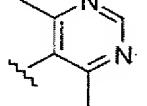
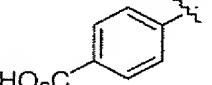
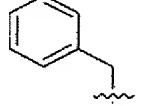
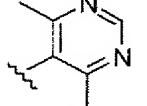
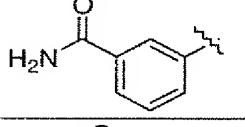
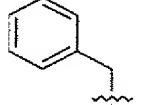
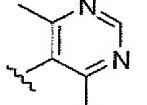
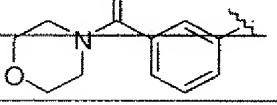
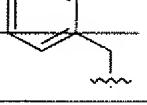
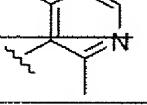
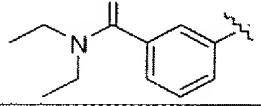
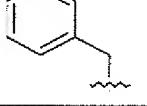
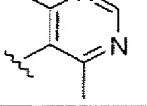
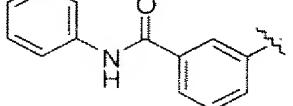
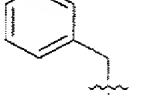
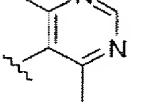
22. (Currently amended) A compound having the structural formula I according to claim 21 or a pharmaceutically acceptable salt or solvate thereof, wherein R^9 , R^{10} and B are H, A is - CH_3 , and R^1 , R^2 and R^3 are as defined in the following table:

#	R^1	R^2	R^3
8			
9			
10			

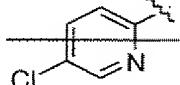
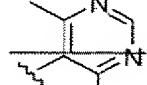
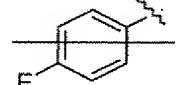
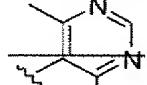
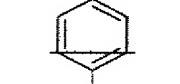
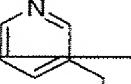
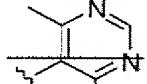
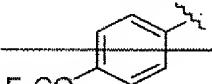
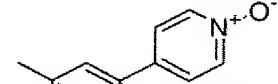
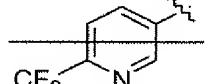
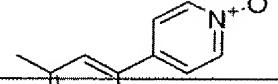
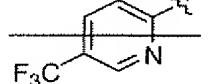
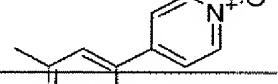
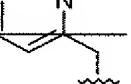
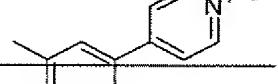
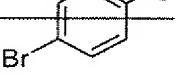
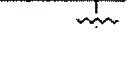
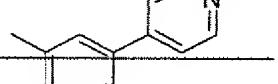
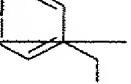
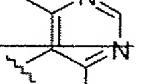
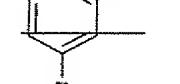
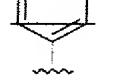
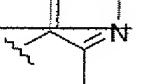
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			

22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			

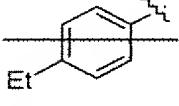
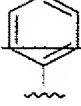
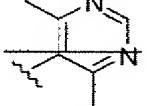
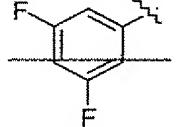
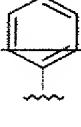
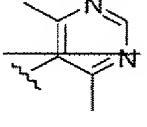
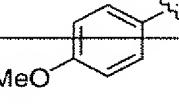
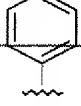
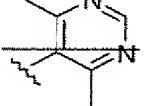
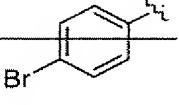
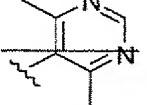
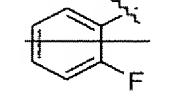
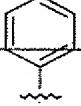
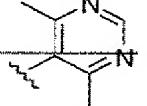
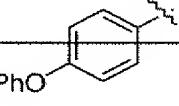
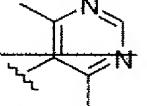
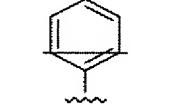
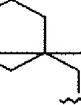
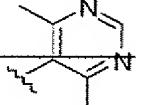
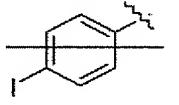
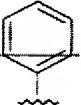
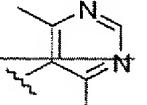
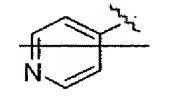
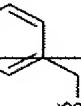
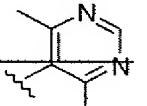
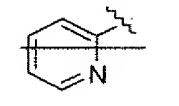
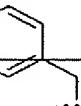
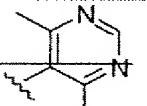
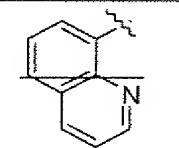
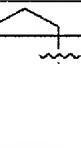
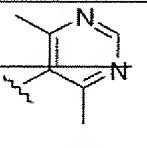
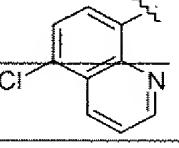
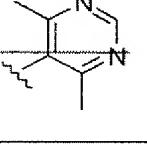
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			

46			
50			
51			
52			
53			
58			
59			
60			
61			
62			
63			
65			

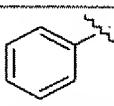
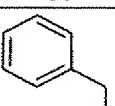
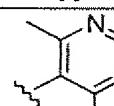
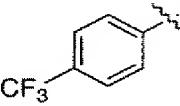
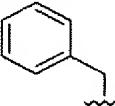
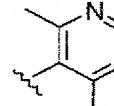
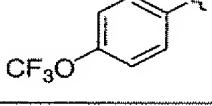
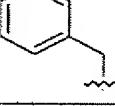
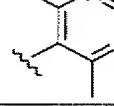
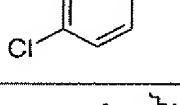
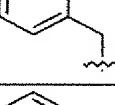
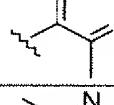
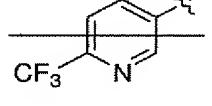
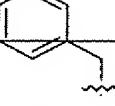
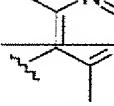
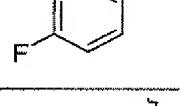
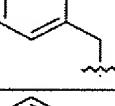
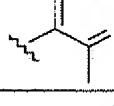
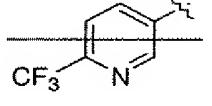
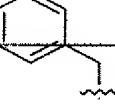
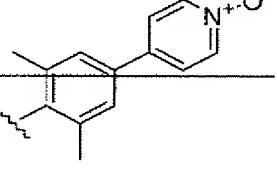
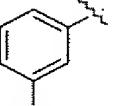
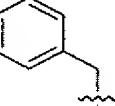
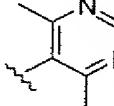
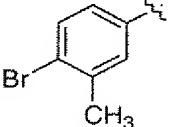
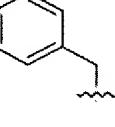
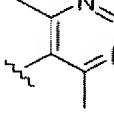
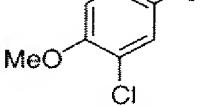
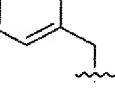
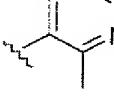
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			

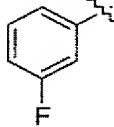
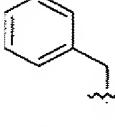
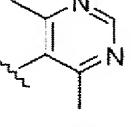
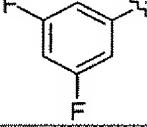
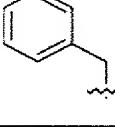
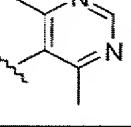
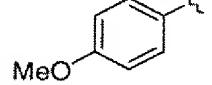
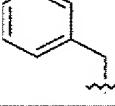
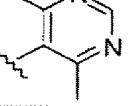
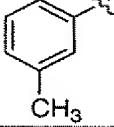
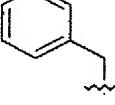
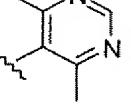
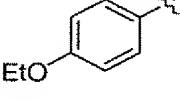
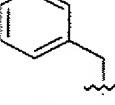
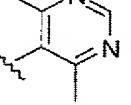
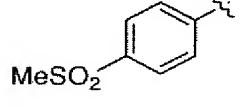
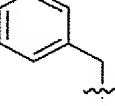
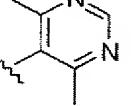
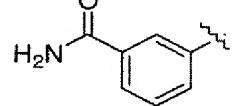
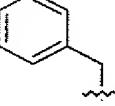
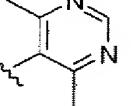
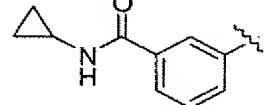
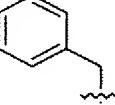
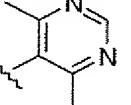
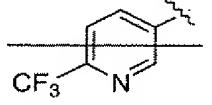
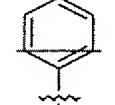
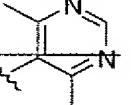
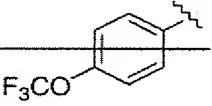
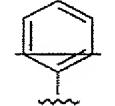
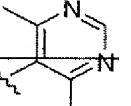
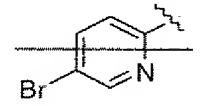
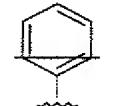
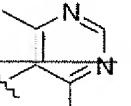
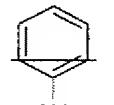
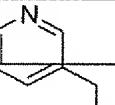
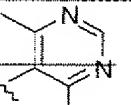
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			

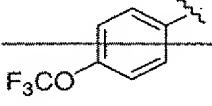
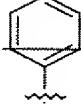
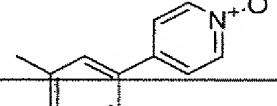
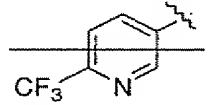
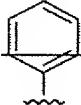
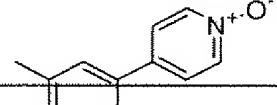
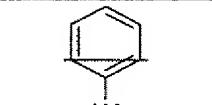
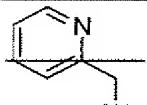
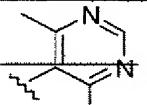
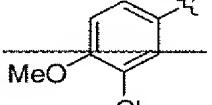
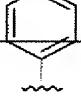
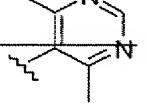
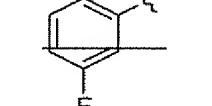
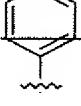
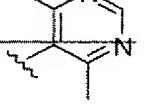
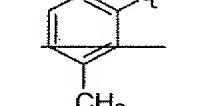
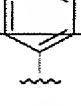
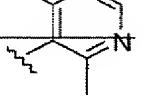
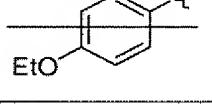
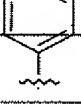
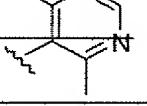
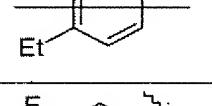
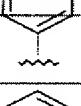
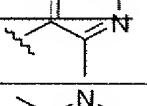
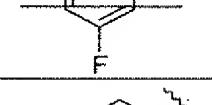
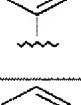
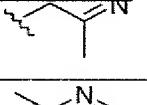
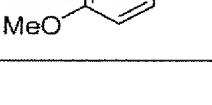
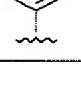
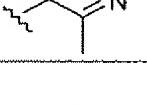
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			

100			
101			
102			
103			
104			
105			
106			
107			
108			
109			
110			
111			

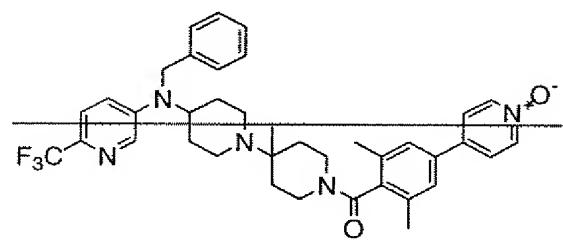
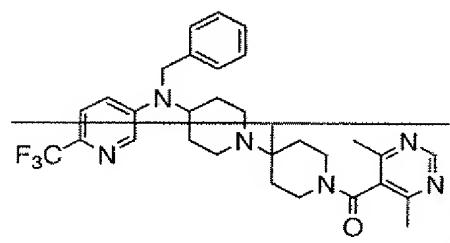
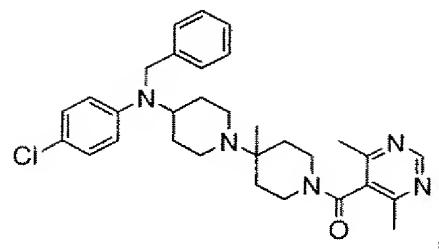
23. (Currently amended) A compound according to claim 22 wherein R¹, R² and R³ each represent:

#	R ¹	R ²	R ³
9			
10			
11			
12			
13			
14			
16			
17			
28			
29			

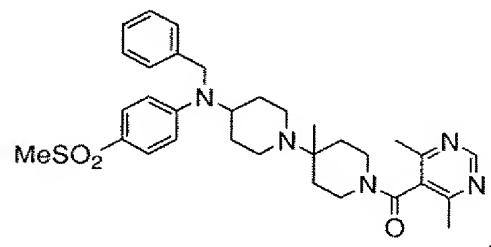
31			
36			
37			
39			
40			
50			
61			
68			
69			
70			
71			
80			

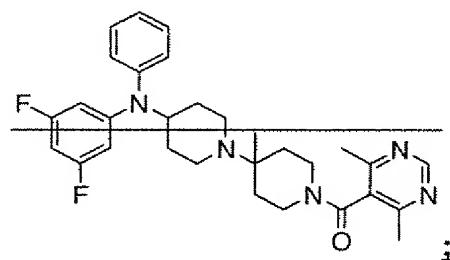
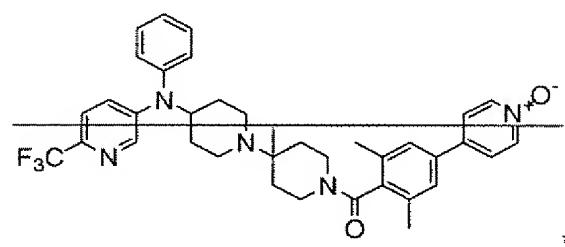
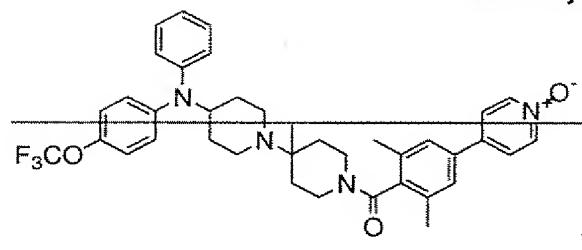
81			
82			
90			
91			
93			
96			
99			
100			
101			
102			

24. (Currently amended) A compound according to claim 23 represented by the structural formulae:



and





or a pharmaceutically acceptable salt or solvate thereof.

25. (Currently amended) A pharmaceutical composition comprising one or more compounds of claim 21 or a pharmaceutically acceptable salt or solvate thereof.

26. (Currently amended) A pharmaceutical composition comprising one or more compounds of claim 24 or a pharmaceutically acceptable salt or solvate thereof.

27. (Previously presented) The pharmaceutical composition according to claim 25 further comprising one or more pharmaceutically acceptable carriers.

28. (Previously presented) The pharmaceutical composition according to claim 26 further comprising one or more pharmaceutically acceptable carriers.

29. (Currently amended) The pharmaceutical composition according to claim 25, wherein said pharmaceutical composition contains a therapeutically effective amount of said one or more compounds or a pharmaceutically acceptable salt or solvate thereof.

30. (Currently amended) The pharmaceutical composition according to claim 26, wherein said pharmaceutical composition contains a therapeutically effective amount of said one or more compounds or a pharmaceutically acceptable salt or solvate thereof.

31-40. (canceled)